

# Missouri's Comprehensive Conservation Strategy

Ronda Headland, Community Conservation Planner  
May 30, 2013





**Future fish and wildlife will be a function of the network of lands and waters conserved today.**

**Every conservation agency across the nation should...**

**...focus on landscapes valuable to fish and wildlife.**





**Conserving the lands and waters that sustain  
fish and wildlife is core to MDC's mission.**

**...a strategic goal for the Department**

**...a high priority for the conservation community**



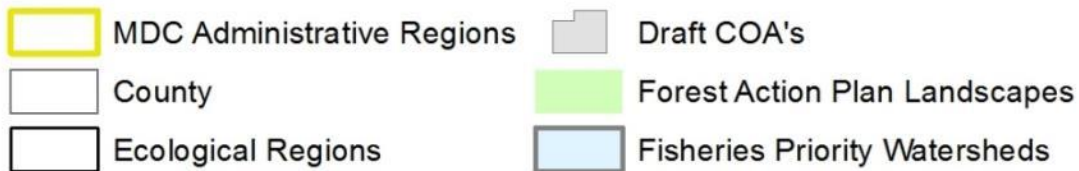
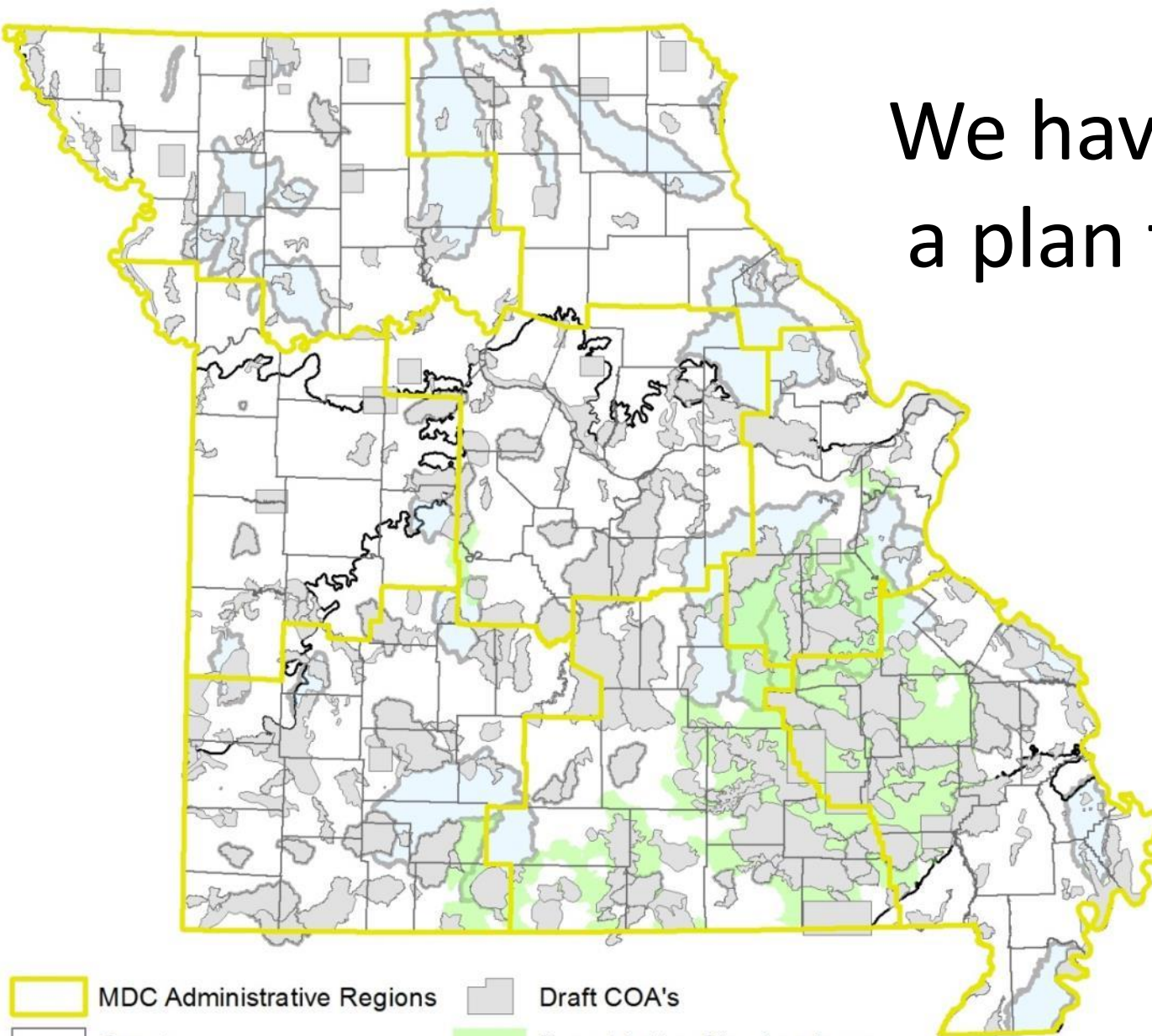


**We have to be purposeful and strategic with staff time and budgets spent on species and habitat conservation.**





We have ~~an app~~  
a plan for that!



0 25 50 100 Miles



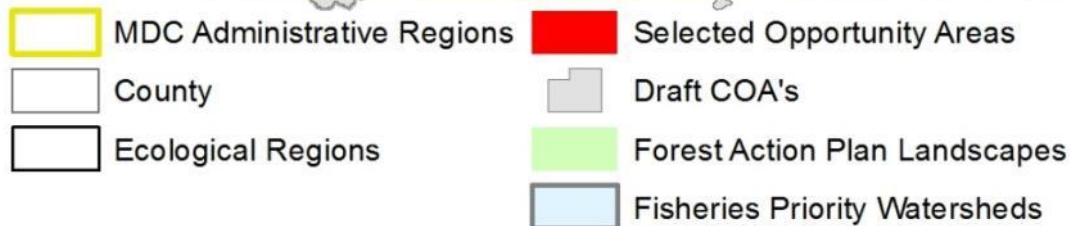
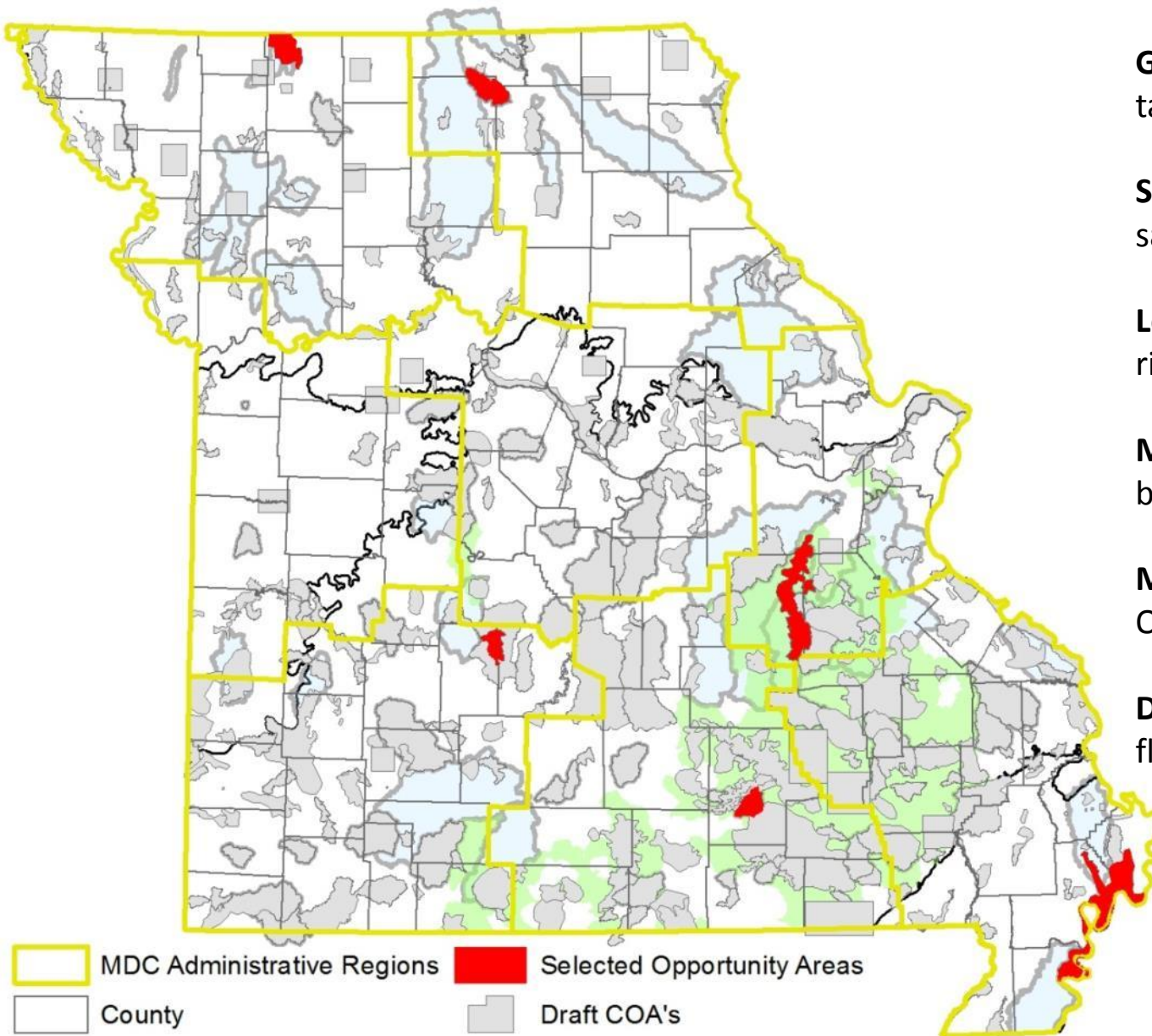


**Healthy lands and waters are the infrastructure for forest, fish, and wildlife.**

**Question...Can we be more strategic with our infrastructure investments?**







**Grand River Grasslands**  
tallgrass prairie landscape

**Spring Creek Watershed**  
savanna landscape

**Lower Niangua Basin**  
riparian landscape

**Middle Meramec Valley**  
bottomland forest

**Mahan Creek**  
Ozark stream ecosystem

**Donaldson Point/Wolf Bayou**  
floodplain forest



# **A Comprehensive Conservation Strategy**








**...is simply being strategic with our investments  
as we conserve lands and waters  
for fish, wildlife, and people.**





# Working Conservation Landscapes

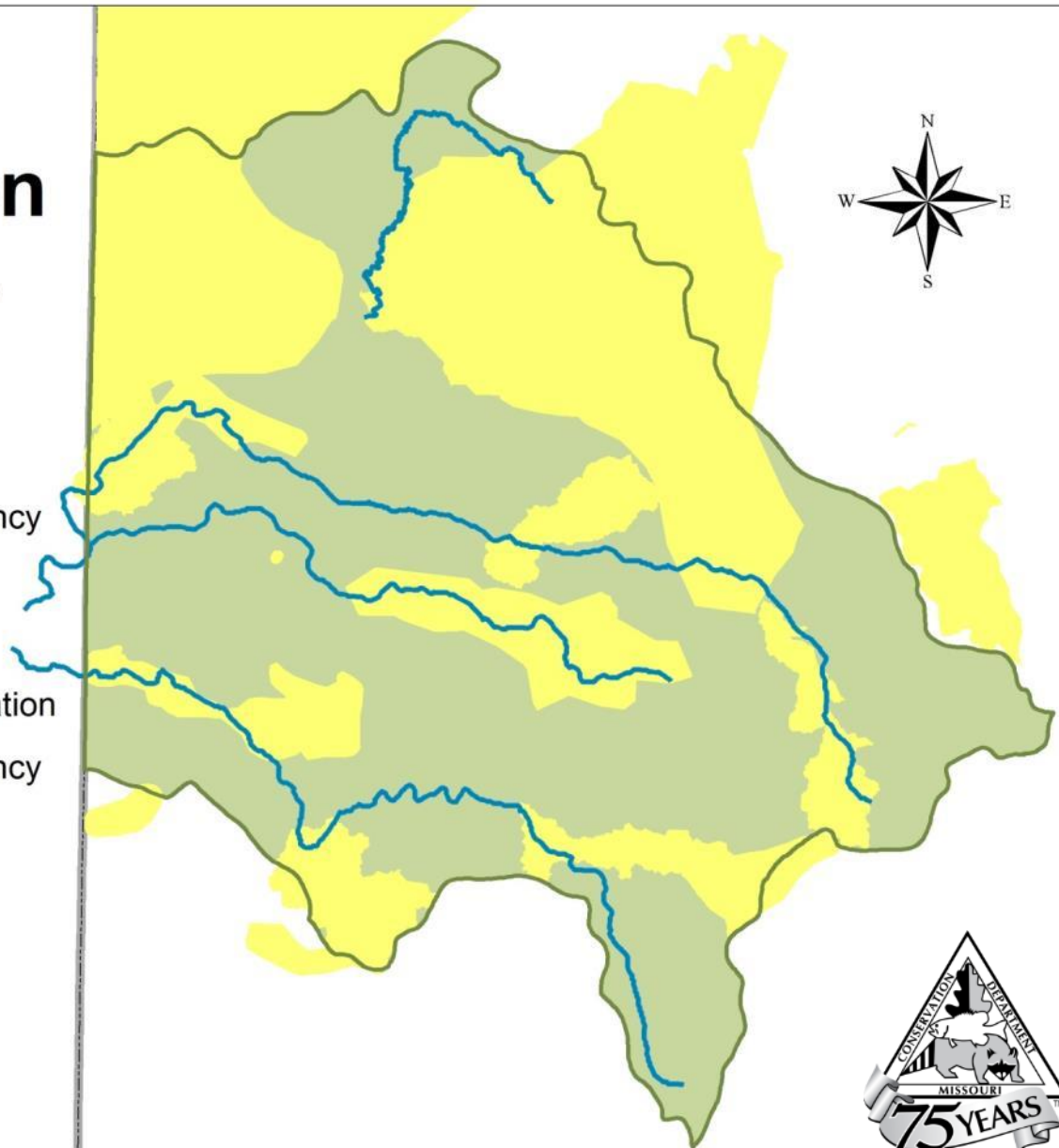
## Legend

-  The Nature Conservancy
-  Audubon
-  Grasslands Coalition
-  MO Dept. of Conservation
-  The Nature Conservancy
-  Spring River Basin
-  State Line

10 5 0 10 Miles



Cartography by Ronda Headland, MDC  
May 28, 2013





# Conservation Network

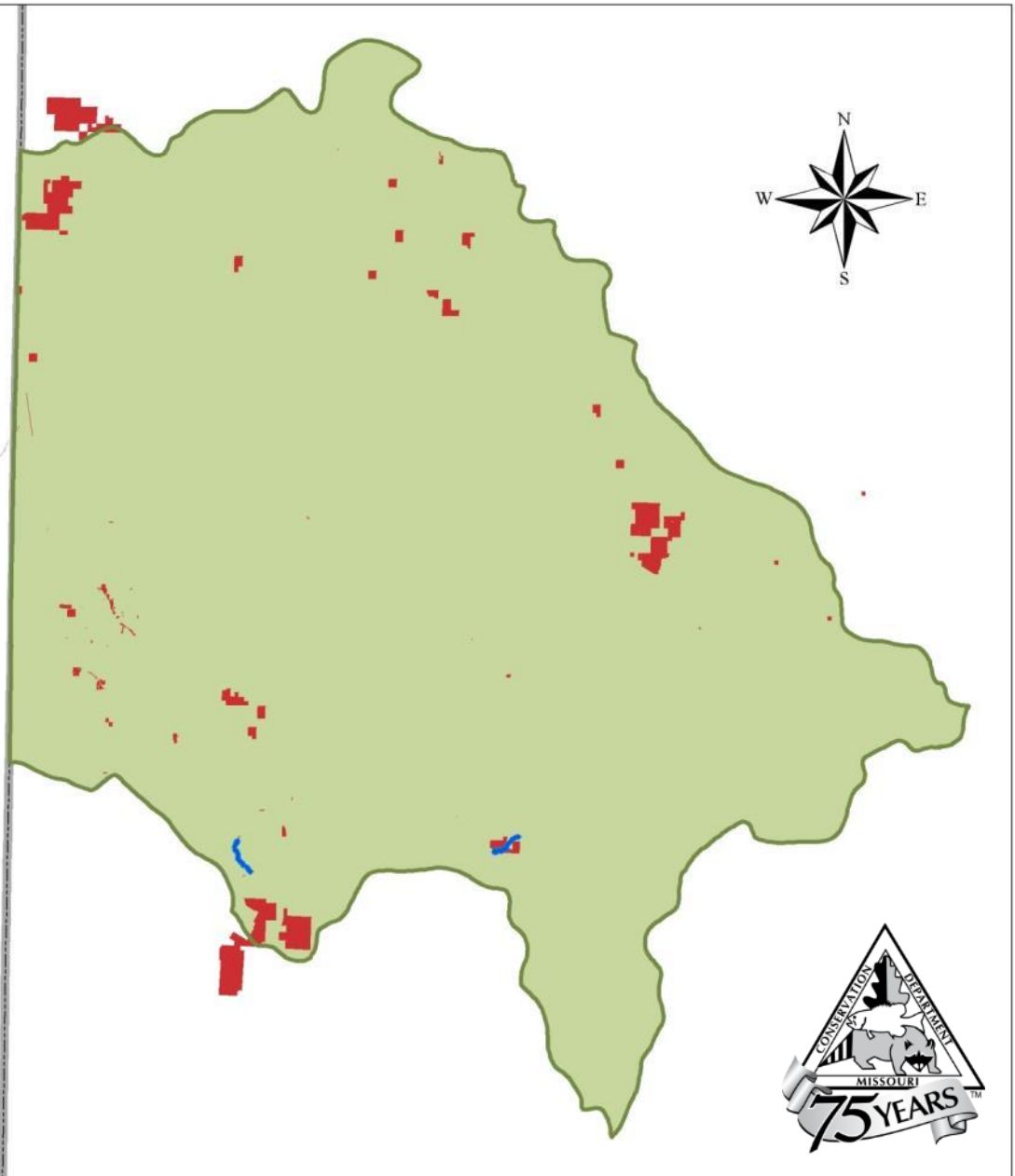
## Legend

-  Trout Stream
-  Joplin City Parks
-  MO Dept. of Conservation
-  MO Dept. of Natural Resources
-  Missouri National Guard
-  Missouri Natural Area
-  Missouri Prairie Foundation
-  National Park Service
-  The Nature Conservancy
-  Ozark Regional Land Trust
-  U.S. Fish and Wildlife Service
-  Wetlands Reserve Program
-  Spring River Basin
-  State Line

10 5 0 10 Miles



Cartography by Ronda Headland, MDC  
May 28, 2013





# Prairie Landscapes







# River Systems

*Spring River*







Karst Systems



# Citizen Participation

## Legend



Master Naturalists



163 Stream Teams



Major Streams



Streams



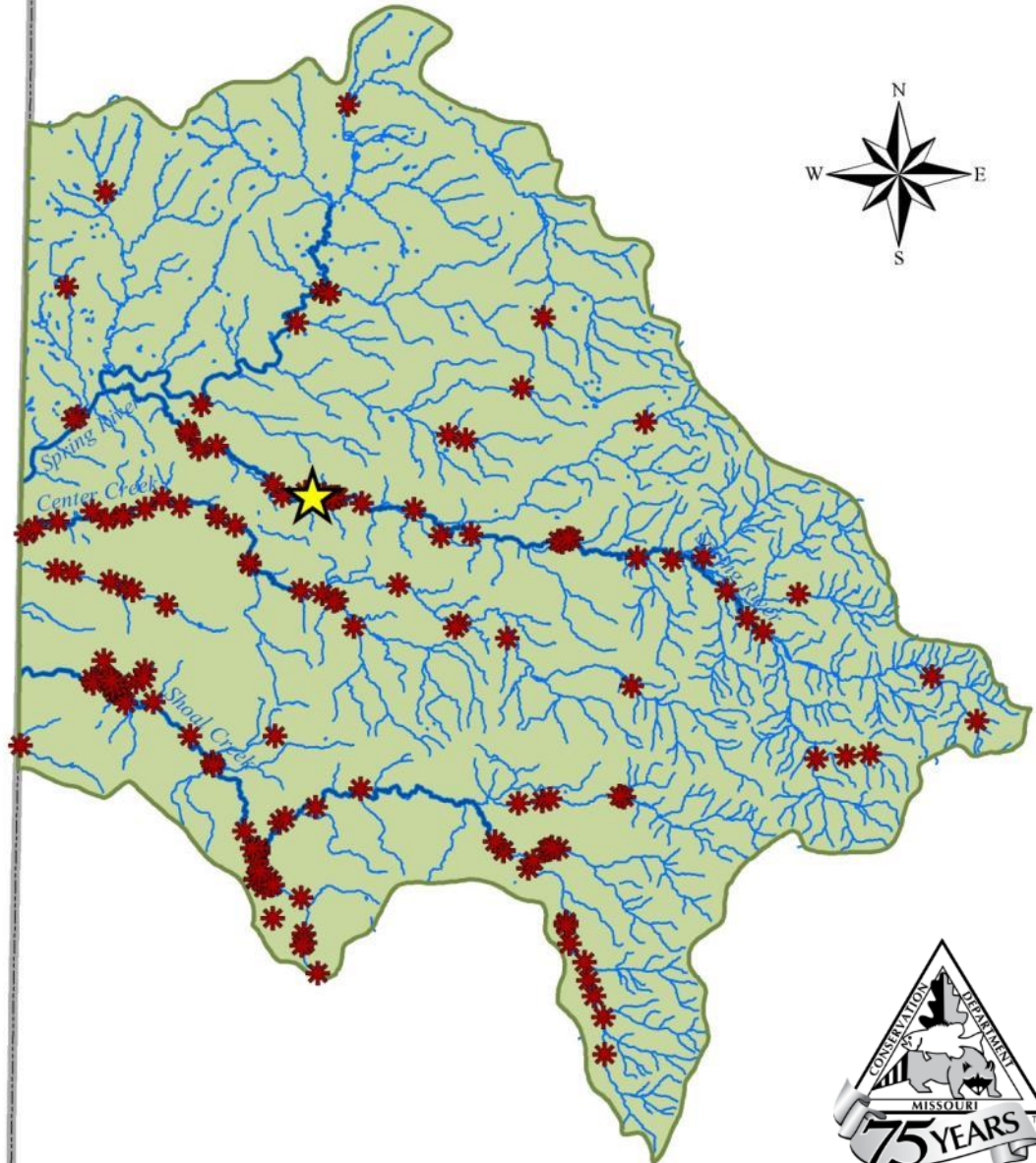
Spring River Basin



State Line



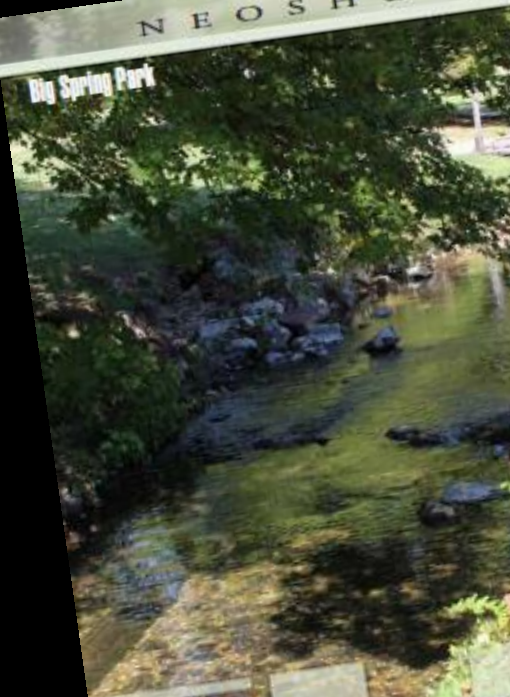
Cartography by Ronda Headland, MDC  
May 28, 2013





NEOSHO'S

Big Spring Park



## Going with the flow

A citizen's guide to

It should come as no surprise that Neosho means "clear water" or "abundant water." Neosho residents have easy access to a clear and abundant water source.

Like Neosho, many Missouri communities feature a spring that watered early settlements, a trading post or stagecoach station. Other towns trace their communal beginnings to a stream-powered gristmill that created the area's first gathering place.

Urban waterways are still important for commercial activities and, in many cases, for recreation.

In Neosho, the trout fishing opportunities that have occurred periodically in the past are a relevant issue. The beauty and functionality of the city's springs and streams will play an important role in the future of this vibrant community.

SPRING RIVER PROUD



## Going with the flow

A citizen's guide to understanding Carthage's Urban Streams

Like Carthage, many Missouri communities have springs and streams that were part of local history. Some towns feature a spring that watered early settlers and kindled the first sparks of community through the establishment of a trading post or stagecoach station. Other towns trace their communal beginnings to a stream-powered gristmill that created the area's first gathering place.

Urban waterways are still important today. They provide drinking water, play supporting roles in industrial and commercial activities and, in many cases, are aesthetic anchors of recreational amenities such as parks and greenway trails.

Maintaining the health, beauty and functionality of the city's springs and streams is a task in which all Carthage citizens have a part. Citizen stewardship will play an important role in keeping the waterways what they are now – the crown jewels of a vibrant community.





# Green Heron





# Southern Leopard Frog

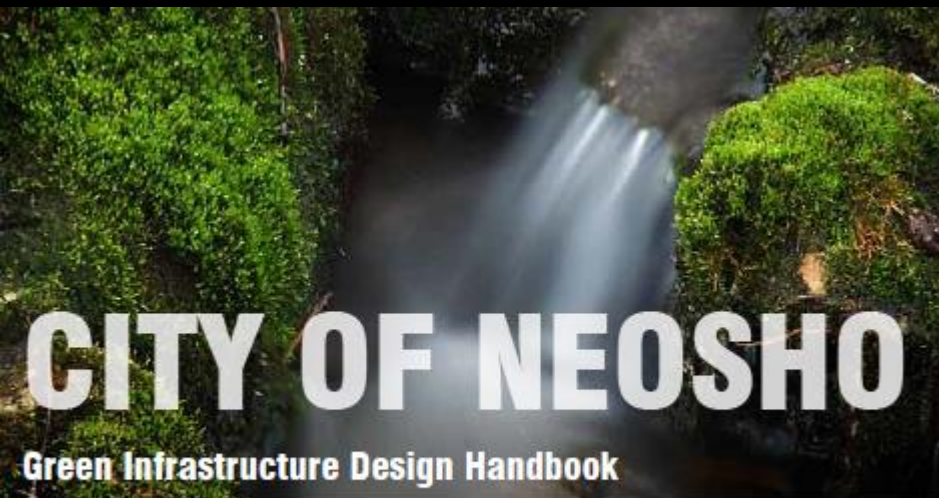




Raccoon







*Integrating Stormwater Management  
into Sustainable Urban Design*  
March 2013



Atlanta, GA

Phoenix, AZ

Dallas, TX

Pittsburgh, PA

Denver, CO

Portland, OR

Los Angeles, CA

Seattle, WA





# Community Conservation Workshop

May 7-9, 2013